

QY	19	GGAGGCGCTGTCCTATCCCTGCTGTCCCAAGGGGGGCCCCGGGGGCTAGAGACTCCAG	78
Db	33	GGAGGCGCTGTGCTCTATCCCTGCTGTCCCAAGGGGGGCCCCGGGGGCTAGAGAGCTCCAG	92
QY	79	AAGGGCGAGCTGTGGCATATTTCTGAGATTGGCCATCAGCCCCCATTTCTGTGCAAACTG	138
Db	93	AAGGGCGAGCTGTGGCATATTTCTGAGATTGGCCATCAGCCCCCATTTCTGTGCAAACTG	152
QY	139	GTCAGAGCAGAGTTCCTCCCTCATGTGAGACTTAAGAAGATGCAAGTGCGCTGCACCGTGA	198
Db	153	GTCAGAGCCAGTGTTCCTCCCTCATGTGAGACTTAAGAAGATGCAAGTGCGCTGCACCGTGA	212
QY	199	CCACAGCCGAGGCACTGGGCAAGCCGGGTATGTCCCAAGCAGAGAGCGCTGTGGAACCCCGC	258
Db	213	CACAGCCCGAGGCACTGGGCAAGCCGGGTATGTCCCAAGCAGAGAGCGCTGTGGAACCCCGC	272
QY	259	TCTCTGGGAGCCCTGTCTCTAGGCTTGACACTGCGAAGCCTTGGGACCAAGTGAGATGG	318

QY 799 CAGAG----- 804  
 Db 809 CAGAGCCAGAGGGGTCAGTCCAGCCAGGCCAGAGGGCGTGGTTCTTGAGCCC 868  
 QY 805 CCAGAGCCAGAGGATGTGAGGCGCAGCTGCGCGGCTGCAAGAGAGAGAGAGCTGCAAG 864  
 Db 869 CCAGAGCCAGAGGATGTGAGGCGCAGCTGCGCGGCTGCAAGAGAGAGAGAGCTGCAAG 928  
 QY 865 GTGTGCGTGAACCGGCGGCTGTCATTCGTTGTGACCGTGTGGGCACTGGTCTGTCT 924  
 Db 929 GTGTGCGTGAACCGGCGGCTGTCATTCGTTGTGACCGTGTGGGCACTGGTCTGTCT 988  
 QY 925 GAGTGTGCGGCGGCTGTCAGTGTGCGGCTGTCAGAGAGAGAGAGAGAGAGAGAGAG 984  
 Db 989 GAGTGTGCGGCGGCTGTCAGTGTGCGGCTGTCAGAGAGAGAGAGAGAGAGAGAGAG 1048  
 QY 985 GCGACCTTCTGTCCTTGAAGCCAGGTGCGCAGTGGCCGAGGTGGCTGCAAGTGGGCTC 1044  
 Db 1049 GCGACCTTCTGTCCTTGAAGCCAGGTGCGCAGTGGCCGAGGTGGCTGCAAGTGGGCTC 1108  
 QY 1045 CCGTCCCTCTGTCCTGTCCTGTCAGTGTGTCGCGGCTGTCAGAGAGAGAGAGAGAG 1104  
 Db 1109 CCGTCCCTCTGTCCTGTCCTGTCAGTGTGTCGCGGCTGTCAGAGAGAGAGAGAGAG 1168  
 QY 1105 TGTCCATCAGACAGTGAACAGCCGTCGATTCGCCAGCACCGCCGAGGTGGAGAGAGAG 1164  
 Db 1169 TGTCCATCAGACAGTGAACAGCCGTCGATTCGCCAGCACCGCCGAGGTGGAGAGAGAG 1228  
 QY 1165 CCTTGTCTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 1224  
 Db 1229 CCTTGTCTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 1288  
 QY 1225 AAAGTGGGTTTCTCTGAGGT 1246  
 Db 1289 AAAGTGGGTTTCTCTGAGGT 1310

RESULT 3  
 US-09-949-016-13691  
 ; Sequence 13691, Application US/09949016  
 ; Patent No. 6812339  
 ; GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.  
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 FILE REFERENCE: C1001307  
 CURRENT APPLICATION NUMBER: US/09/949,016  
 CURRENT FILING DATE: 2000-04-14  
 PRIOR APPLICATION NUMBER: 60/241,755  
 PRIOR FILING DATE: 2000-10-20  
 PRIOR APPLICATION NUMBER: 60/237,768  
 PRIOR FILING DATE: 2000-10-03  
 PRIOR APPLICATION NUMBER: 60/231,498  
 PRIOR FILING DATE: 2000-09-08  
 NUMBER OF SEQ ID NOS: 207012  
 SOFTWARE: FASTSEQ for Windows Version 4.0  
 SEQ ID NO 13691  
 LENGTH: 8572  
 TYPE: DNA  
 ORGANISM: Human  
 US-09-949-016-13691

Query Match 39.5%; Score 492.4; DB 3; Length 8572;  
 Best Local Similarity 99.8%; Pred. No. 3.4e-102;  
 Matches 493; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 GCGAGGCTGTGCGTATCCCTGCTGTCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAG 78  
 Db 2033 GCGAGGCTGTGCGTATCCCTGCTGTCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2092  
 QY 79 AAGGCGCAGTGGGATATTCAGATGGGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 138

Db 2093 AAGGCGCAGTGGGATATTCAGATGGGATGAGGAGGAGGAGGAGGAGGAGGAGGAG 2152  
 QY 139 GTCAGAGCAGTGTTCCTCCATGAGGACTTAAAGACAGTGCAGAGTGCACCGTGA 198  
 Db 2153 GTCAGAGCAGTGTTCCTCCATGAGGACTTAAAGACAGTGCAGAGTGCACCGTGA 2212  
 QY 199 CCAGAGCCAGACCACTGGGACAGCGGTGATGTGCCAGCAGAGAGCGGTGAGAGAGAGAG 258  
 Db 2213 CCAGAGCCAGACCACTGGGACAGCGGTGATGTGCCAGCAGAGAGCGGTGAGAGAGAGAG 2272  
 QY 259 TCTCTGGGACGCTGTCTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 318  
 Db 2273 TCTCTGGGACGCTGTCTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 2332  
 QY 319 CAGATCTGGGACGCTGTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 378  
 Db 2333 CAGATCTGGGACGCTGTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 2392  
 QY 379 ACCTTGTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 438  
 Db 2393 ACCTTGTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2452  
 QY 439 TTCTATGACTGGGCGGCTGACTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 498  
 Db 2453 TTCTATGACTGGGCGGCTGACTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 2512  
 QY 499 TTCACACAGGCCA 512  
 Db 2513 TTCACACAGGTCA 2526

RESULT 4  
 US-09-023-655-334  
 ; Sequence 334, Application US/09023655  
 ; Patent No. 6607879  
 ; GENERAL INFORMATION:

APPLICANT: Cocks, Benjamin G.  
 APPLICANT: Susan G. Stuart  
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
 NUMBER OF SEQUENCES: 1508  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
 STREET: 3174 PORTER DRIVE  
 CITY: PALO ALTO  
 STATE: CALIFORNIA  
 COUNTRY: USA  
 ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/023,655  
 FILING DATE: HERewith  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Zeller, Karen J.  
 REGISTRATION NUMBER: 37,071  
 REFERENCE/DOCKET NUMBER: PA-0001 US  
 TELEPHONE: (650) 855-0555  
 TELEFAX: (650) 845-4166  
 INFORMATION FOR SEQ ID NO: 334:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 226 base pairs  
 TYPE: nucleic acid

US-09-762-577B-12 (1-309) x US-09-949-016-1949 (1-1260)

QY 1 MetGlyProlyAspSerAlaLeuHisArgGlyProGlnProSerHisTrpAla 20  
 Db 174 ATGGAGCTTAAGACAGTGCAGAGCTGACCGTGAACCAAGCCAGCACTGGGCA 233  
 QY 21 AlaGlyAspGlyProThrGlnGluArgCysGlyProArgSerLeuGlySerProValLeu 40  
 Db 234 GCCGGTGAATGGTCCACAGAGAGGCTGTGTGAGCCCGCTCTCTGGGAGCCCTGTCTTA 293  
 QY 41 GlyLeuAspThrCysArgAlaTrpAspHisValAspGlyGlnIleLeuGlyGlnLeuArg 60  
 Db 294 GGCTTGACACCTGAGAGGCTTGAGGACCACTGAGATGGGCAATCTGGGCAAGTGGCG 353  
 QY 61 ProLeuThrGlnGluGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGln 80  
 Db 354 CCCCTGACAG 413  
 QY 81 PheProGlyMetGlySerGlnGlnLeuArgLeuAlaSerPheTyTrpTrpProLeuThr 100  
 Db 414 TTCCCGGCGATGGGCTCTGAGAGATGGCTGTGGCTCTCTTATGACTGGCCGCTGACT 473  
 QY 101 AlaGluValProProGlnLeuLeuAlaAlaIleGlyPhePheHisTrpGlyHisGlnAsp 120  
 Db 474 GCTAGGCTGCCACCCGAGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGG 533  
 QY 121 LysValAlaArgCysPhePheCysTyTrpGlyGlnLeuGlnSerTrpLysArgGlyAspAspPro 140  
 Db 534 AAGGTGAGAGTCTTCTTGTCTATGGGGGCTGAGAGAGCTGAGAGAGAGAGAGAGAGAGAG 593  
 QY 141 TrpThrGlnHisAlaIleTrpPheProSerCysGlnPheLeuLeuArgSerLysGlyArg 160  
 Db 594 TGAAGGAGAGATGCAAGT 653  
 QY 161 AspPheValHisSerValGlnGlnIleThrHisSerGlnLeuLeuGlnGlnGlnGlnGlnGlnGln 180  
 Db 654 GACTTGTCCACAGTGTGAG 713  
 QY 181 GlnGluProGlnAspAlaAlaProValAlaProSerValProAlaSerGlyTyTrpProGln 200  
 Db 714 GAAAGAACCGAAG 773  
 QY 201 LeuProThrProArgArgGlnValAlaGlnSerGlnSerAlaGlnGlnGlnGlnGlnGlnGln 220  
 Db 774 CTGGCCACACCCAG 833  
 QY 221 ValGlnAlaGlnLeuArgArgLeuGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGln 240  
 Db 834 GTGAGGCGGAGCTGCGGCGGCTGAG 893  
 QY 241 AlaValSerIleValPheValProCysGlyHisIleValCysAlaGlnGlnGlnGlnGlnGlnGln 260  
 Db 894 GCCGTGTCCATCGTCTTGT 953  
 QY 261 LeuGlnLeuCysProIleCysArgAlaProValArgSerArgValaGlnPheLeuSer 280  
 Db 954 CTGAGAGCTGTGCCCCATCTGAG 1013  
 QY 281 \*\*\*AlaArgCysHisGlyArgProGlyGlyLeuGlnSerGlnLeuProAlaProLeuCys 300  
 Db 1014 TAGGCCAGGTGTCCATGTGCGGCGGCTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1073  
 QY 301 LeuPheTrpThrValPheTrpAlaCys 309  
 Db 1074 CTGTTCTGAGACTGTGTCTGAGGCTGC 1100

RESULT 2  
 US-09-127-928-1  
 ; Sequence 1, Application US/09127928  
 ; Patent No. 6472172  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Deng, Gang  
 ; APPLICANT: Lin, Jiling-huey

APPLICANT: Morser, Michael J  
 TITLE OF INVENTION: DNA Encoding a No. 6472172el Human Inhibitor-of-Apoptosis  
 FILE REFERENCE: DNA Encoding H1A3  
 CURRENT APPLICATION NUMBER: US/09/127, 928  
 NUMBER OF SEQ ID NOS: 7  
 SOFTWARE: Patentin Ver. 2.0  
 SEQ ID NO: 1  
 LENGTH: 1337  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (170)...(1066)  
 US-09-127-928-1

Alignment Scores:  
 Pred. No.: 1,97e-135 Length: 1337  
 Score: 1694.00 Matches: 308  
 Percent Similarity: 94.2% Conservative: 0  
 Best Local Similarity: 98.4% Mismatches: 1  
 Query Match: 98.4% Indels: 18  
 Gaps: 1

US-09-762-577B-12 (1-309) x US-09-127-928-1 (1-1337)

QY 1 MetGlyProlyAspSerAlaLeuHisArgGlyProGlnProSerHisTrpAla 20  
 Db 170 ATGGAGCTTAAGACAGTGCAGAGCTGACCGTGAACCAAGCCAGCACTGGGCA 229  
 QY 21 AlaGlyAspGlyProThrGlnGluArgCysGlyProArgSerLeuGlySerProValLeu 40  
 Db 230 GCCGGTGAATGGTCCACAGAGAGGCTGTGTGAGCCCGCTCTCTGGGAGCCCTGTCTTA 289  
 QY 41 GlyLeuAspThrCysArgAlaTrpAspHisValAspGlyGlnIleLeuGlyGlnLeuArg 60  
 Db 290 GGCTTGACACCTGAG 349  
 QY 61 ProLeuThrGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGln 80  
 Db 350 CCCCTGACAG 409  
 QY 81 PheProGlyMetGlySerGlnGlnLeuArgLeuAlaSerPheTyTrpTrpProLeuThr 100  
 Db 410 TTCCCGGCGATGGGCTCTGAGAGATGGCTGTGGCTCTCTTATGACTGGCCGCTGACT 469  
 QY 101 AlaGlnValProProGlnLeuLeuAlaAlaIleGlyPhePheHisTrpGlyHisGlnAsp 120  
 Db 470 GCTGAGGTGCCACCCAG 529  
 QY 121 LysValAlaArgCysPhePheCysTyTrpGlyGlnLeuGlnSerTrpLysArgGlyAspAspPro 140  
 Db 530 AAGGTGAGAGTCTTCTTGTCTATGGGGCTGAGAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAG 589  
 QY 141 TrpThrGlnHisAlaIleTrpPheProSerCysGlnPheLeuLeuArgSerLysGlyArg 160  
 Db 590 TGAAGGAGAGATGCAAGT 649  
 QY 161 AspPheValHisSerValGlnGlnIleThrHisSerGlnLeuLeuGlnGlnGlnGlnGlnGlnGln 180  
 Db 650 GACTTGTCCACAGTGTGAG 709  
 QY 181 GlnGluProGlnAspAlaAlaProValAlaProSerValProAlaSerGlyTyTrpProGln 200  
 Db 710 GAAAGAACCGAAG 769  
 QY 201 LeuProThrProArgArgGlnValAlaGlnSerGlnSerAlaGlnGlnGlnGlnGlnGlnGlnGlnGln 215  
 Db 770 CTGCCCCACACCCAG 829  
 QY 216 -----ProGlyAlaAspValGlu 222

